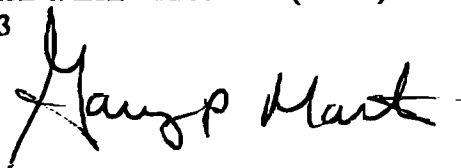


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SECURITY CLASSIFICATION GUIDE
FOR
TROJAN SPECIAL PURPOSE INTEGRATED REMOTE INTELLIGENCE TERMINAL
(SPIRIT) II AND TROJAN SPIRIT LITE (U)

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Intelligence and Information Warfare Directorate (I2WD)
Fort Monmouth, NJ 07703

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(U) DISTRIBUTION: Distribution authorized to the Department of Defense and U.S. DOD contractors associated with the TROJAN SPECIAL PURPOSE INTEGRATED REMOTE INTELLIGENCE TERMINAL program only, to preclude premature dissemination. Determination date is 21 May 2004. Other requests shall be referred the Director, U.S. Army RDECOM, CERDEC, Intelligence and Information Warfare Directorate, ATTN: AMSRD-CER-IW-ST, Fort Monmouth, New Jersey 07703.

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(U) Section 1. GENERAL INFORMATION

1 (U) PURPOSE: To provide instructions and guidance on the security classification of information and material pertaining to the TROJAN Special Purpose Integration Remote Intelligence Terminal (SPIRIT) II and TROJAN SPIRIT Lightweight Integrated Telecommunications Equipment (LITE) Projects. The TROJAN SPIRIT II (TS II) systems are nomenclatured AN/TSQ-190(V) and the TROJAN SPIRIT LITE systems are nomenclatured AN/TSQ-226(V).

2 (U) AUTHORITY: This Security Classification Guide (SCG) is issued under the authority of AR 380-5, AMC Supplement 1 to AR 380-5, 14 March 2003, E.O. 12958 and its amendments, and DoD Directive (DODD) 5200.1-R, Information Security Program Regulation, January 1997. It constitutes authority and may be cited as the basis for classification, re-grading or declassification of information concerning TS II and TROJAN SPIRIT LITE systems. Unless otherwise noted, information or material identified as classified in this guide is classified by authority of the approving official identified on the title page. All Special Intelligence (SI) classifications will be derived from and classification determined from NSA/CSSM 1-52 and the Signals Intelligence Security Regulations (SISR).

3. (U) APPLICATION: Changes in classification required by this guide will be made immediately and reported by the Office of Primary Responsibility (OPR) to CERDEC Headquarters, AMSRD-CER-SO, Ft. Monmouth, NJ 07703 for processing and dissemination. The security classification guidance contained herein is effective upon receipt. This guide constitutes authority for the re-grading of previously unclassified and classified TROJAN SPIRIT II and SPIRIT LITE -related documents and information whenever removed from file or storage for any purpose. This guide applies to both the TROJAN SPIRIT system in either its "Legacy SPIRIT II" or "LITE" version as well as to all variants of the systems. There is no retroactive requirement implied hereby for a systematic re-grading of information for existing TROJAN SPIRIT-related documents. This guide does not apply to the TROJAN Classic and TROJAN Classic XXI (TCXXI) Project, ANRSQ-144(V).

4. (U) QUESTIONS and RECOMMENDATIONS: Questions concerning the content and interpretation of this guide should be directed to the Trojan Systems Integration and Fielding Office (SIFO). If the security classifications imposed by this guide are considered to be impractical, then documented and justified recommendations should be made through appropriate channels to the Trojan SIFO. If current conditions, progress made in this effort, scientific or technological developments, advances in the state-of-the-art, or other factors indicate a need for changes, similar recommendations should be made. Pending final decision, the information involved will be protected at either the currently specified level or the recommended level, whichever is higher. All users of this SCG are encouraged to assist in improving its currency and adequacy. Any over-classification or incorrect classification should be brought to the attention of the Trojan SIFO.

(U) Section 1. GENERAL INFORMATION

5. (U) PUBLIC RELEASE: The fact that certain details of information are shown to be UNCLASSIFIED does not authorize automatic public release. Proposed public releases of UNCLASSIFIED information must be processed through appropriate channels for approval for publication. Within the Department of the Army, the procedures specified in AR 360-1 will be followed. Defense contractors will comply with DOD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM), and other contractual requirements. All information concerning TROJAN SPIRIT and LITE will be forwarded for public release to Commander, C-E LCMC, ATTN: AMSEL-IO, Fort Monmouth, New Jersey 07703-5000, in accordance with AR 360-1, paragraph 5- 3. Material submitted for clearance will be forwarded THRU the Director, U.S. Army RDECOM CERDEC, ATTN: AMSRD-CER-IW-ST, Fort Monmouth, NJ 07703 prior to public release.

6. (U) DEFINITIONS:

- a. (U) Accuracy -The deviation from the value accepted as true.
- b. (U) Communications Intelligence -also known as COMINT. Information derived from foreign communications signals.
- c. (U) Communications Subsystem -The equipment (including Communications Security (COMSEC)) and procedures necessary for both intra- and inter-system communications.
- d. (U) Field of View -The angle between two azimuths or bearings within which the system will effectively operate.
- e. (U) Foreign Government Information -Information that is (1) provided to the United States by a foreign government(s), or international organization of governments, or any element thereof with the expectation, that the source of the information, or both are to be held in confidence; or (2) produced by the United States pursuant to or as a result of a joint arrangement with a foreign government or governments or an international organization of governments, or any elements thereof, requiring that the information, the arrangement, or both are to be held in confidence; or (3) information received and treated as "Foreign Government Information" under the terms of a predecessor order to the EO 12958.
- f. (U) Frequency Coverage -The portion of the electromagnetic spectrum within which the equipment radiates or receives electromagnetic energy. (i.e. bands such as Ku, C, and X)
- g. (U) Frequency Employment -A composite of conditions, circumstances, and influences which affect system usage. (i.e. the operating frequency of a TBAUD.)

(U) Section 1. GENERAL INFORMATION

- h. (U) Management and Control Subsystem -The equipment and procedures essential for system planning, directing, and controlling.
- i. (U) Military Application -The use or purpose for which the system or equipment is intended in sufficient detail to reveal performance and/or tactical employment.
- j. (U) Modulation Type -A designation for the type or types of signal modulations (e.g., continuous wave, amplitude or frequency modulation, single side band, frequency shift keying) against which the system will operate.
- k. (U) Near real time -Delay caused by automated processing and display between the occurrence of an event and reception of the data at some other location.
- l. (U) NOFORN -Not Releasable to Foreign Nationals. Applies to classified intelligence that may not be released to foreign governments, foreign nationals, or non-US citizens without the permission of the originator and in accordance with Director of Central Intelligence policy.
- m. (U) Number of Threats -An integrated number of target concentrations. The number of potential targets against which the system could be directed.
- n. (U) Operational Characteristics -The specific military qualities regarded of an item of equipment (e.g., for electronic equipment this includes frequency coverage, channeling, type of modulation, character of emission, etc.) to enable it to meet an agreed operational need.
- o. (U) Operational Employment -A composite of conditions, circumstances, and influences which affect system use.
- p. (U) Operational Readiness -The capability of a piece of equipment, such as TROJAN, or an organization to perform the mission or function it is designed to do.
- q. (U) Parameter Analysis Range -The predetermined range within which analysis is optimum.
- r. (U) Processing and Reporting System -The equipment and procedures essential for system data analysis and reporting to either another Intelligence and Electronic Warfare (IEW) system or to the supported commander.

(U) Section 1. GENERAL INFORMATION

- s. (U) Range -The maximum and minimum distances between which transmission and/or reception is reliable and accurate.
- t. (U) Reaction Time -The elapsed time between the initiation of an action and the required/desired response.
- u. (U) Reason (Extracted from E.O. 12958) -The reason for classification relates to the categories of what can be classified as specified in Executive Order 12958, dated 25 March 2003, section 1.4, and are extracted as follows:
 - a. Military plans, weapons systems, or operations.
 - b. Foreign government information.
 - c. Intelligence activities (including special activities), intelligence sources or methods, or cryptology.
 - d. Foreign relations or foreign activities of the United States, including confidential sources.
 - e. Scientific, technological, or economic matters relating to the national security, which includes defense against transnational terrorism.
 - f. United States Government programs for safeguarding nuclear materials or facilities.
 - g. Vulnerabilities or capabilities of systems, installations, infrastructures, projects, or protection services relating to the National Security, which includes defense against transnational terrorism
 - h. Weapons of Mass Destruction.
- v. (U) Receiving Bandwidth -The portion of the spectrum that can be accepted or used by the equipment.
- w. (U) Receiving Subsystem -The equipment and procedures essential for the acceptance of signals.
- x. (U) Replacement Factor -The estimated percentage of equipment or repair parts in use that will require replacement during a given period due to wearing out beyond repair, enemy action, abandonment, pilferage, and other causes except for catastrophes.
- y. (U) Resolution -Ability of the system to analyze characteristics of a complex nature (e.g., signals, targets, signature characteristics) and to distinguish between them.
- z. (U) Second Party -The SIGINT organizations of the United Kingdom (GCHQ), Canada (CSE), Australia (DSD), and New Zealand (GCSB).

(U) Section 1. GENERAL INFORMATION

- aa. (U) Sensitivity -The ability to detect, recognize, or react to a signal and/or environment changes.
- bb. (U) Shift Capability -The ability of transmitting or receiving equipment to transfer from one mode, frequency, or channel, to another.
- cc. (U) Signature Characteristics -Composite of equipment operation phenomena (e.g., frequency, bandwidth, modulation, etc.) in sufficient detail to identify or reveal its presence.
- dd. (U) Special Intelligence (SI) -An unclassified term used to designate a category of sensitive compartmented information. Further guidance is available from NSA/CSSM 1-52 and the Signals Intelligence Security Regulations (SISR).
- ee. (U) System Specification -A detailed description of technical requirements stated in terms suitable to form the basis for actual design, development, and production process.
- ff. (U) Talent Keyhole -Information related to or derived from satellite reconnaissance systems and products. Abbreviated as TK.
- gg. (U) Test Data -Any data that is utilized to prove or disprove whether a system meets a stated requirement. Such data might be collected during system tests, to include network pings, communications FIREBERD tests, firewall tests, router tests, files transfers, etc.
- hh. (U) Third Party -Cryptologic organizations of foreign governments, other than a Second Party, with which the United States has a cryptologic relationship.
- ii. (U) ESSENTIAL ELEMENT OF FRIENDLY INFORMATION (EEFI): Items of interest that are likely to be targeted by adversarial officials and intelligence systems about friendly intentions, capabilities, and activities. These include critical technologies that, if compromised, could degrade the capability of the TROJAN system to fulfill its mission. Examples of TROJAN system EEFI include the following: past, present or future capabilities (e.g., reports disclosing intelligence & collection capabilities, I&W sources and methods, command & control (C2) structure, C2 equipment deficiencies and associated effects, unusual or special equipment and capability, fuel and ammo percentages, mission debilitating casualties such as category 3 or category 4 casualty reports, mission debilitating personnel shortages).
- jj. (U) OPERATIONAL EMPLOYMENT: A composite of conditions, circumstances, and influences which affect system use.

(U) Section 1. GENERAL INFORMATION

kk. (U) PROCESSING AND REPORTING SUBSYSTEM: The equipment and procedures essential for system data analysis and reporting to either another intelligence system or to the supported commander.

ll. (U) RANGE: The maximum and minimum distances between which transmission and/or reception is reliable and accurate.

mm. (U) REACTION TIME: The elapsed time between the initiation of an action and the required /desired response.

nn. (U) REASON (EXTRACTED FROM E.O. 12958): The reason for classification relates to the categories of what can be classified as specified in Executive Order 12958, Section 1.4, and are extracted as follows:

1.4a (U) Military plans, weapon systems, or operations.

1.4b (U) Foreign government information (provided by or in a joint arrangement with a foreign government or international organization).

1.4c (U) Intelligence activities (including special activities), intelligence sources or methods, or cryptology.

1.4d (U) Foreign relations or foreign activities of the United States, including confidential sources.

1.4e (U) Scientific, technological, or economic matters relating to National Security.

1.4g (U) Vulnerabilities or capabilities of systems, installations, projects, or plans relating to the National Security.

oo. (U) RECEIVING SUBSYSTEM: The equipment and procedures essential for acceptance of signals.

pp. (U) REPLACEMENT FACTOR: The estimated percentage of equipment or repair parts in use that will require replacement during a given period due to wearing out beyond repair, enemy action, abandonment, pilferage, and other causes except catastrophes.

qq. (U//FOUO) Special Intelligence (SI). Indicates that this information requires compartmented protection. Further guidance is available in DOD TS 5105.21-M-2 (M-2).

(U) Section 1. GENERAL INFORMATION

rr. (U) SIGNATURE CHARACTERISTICS: Composite of equipment operation phenomena (e.g., frequency, bandwidth, modulation, etc.) in sufficient detail to identify or reveal its presence.

ss. (U) SYSTEM CAPACITY: Maximum number of operations that the equipment can operate simultaneously to accomplish its design function.

tt. (U) SYSTEM SPECIFICATION: A detailed description of technical requirements stated in terms suitable to form the basis for actual design, development and production processes.

uu. (U) THREAT: The capability of a potential adversary to limit or negate mission accomplishment or to neutralize or reduce effectiveness. As used herein, threat is the communications/electronics equipment associated with a potential adversary's weapon system; hence, threat will be considered synonymous with target.

vv. (U) X-1: A category of exemption from the 10 year mandatory declassification rule, as set forth in Executive Order 12958 dated 17 April 1995, that applies to information for which the unauthorized disclosure could reasonably be expected to cause damage to the national security and for which the release of which could reasonably be expected to reveal an intelligence source, method, activity, or a cryptologic system. A category of information that may remain classified after 10 years because it reveals intelligence sources, methods, or activity, or a cryptographic system or activity.

ww. (U) X-3: A category of exemption from the 10 year mandatory declassification rule, as set forth in Executive Order 12958 dated 17 April 1995, that applies to information for which the unauthorized disclosure could reasonably be expected to cause damage to the national security and for which the release of which could reasonably be expected to reveal information that would impair the development or use of technology within a United States weapon system.

xx. (U) X-5: A category of exemption from the 10 year mandatory declassification rule, as set forth in Executive Order 12958 dated 17 April 1995, that applies to information for which the unauthorized disclosure could reasonably be expected to cause damage to the national security and for which the release of which could reasonably be expected to reveal foreign government information.

yy. (U) X-6: A category of exemption from the 10 year mandatory declassification rule, as set forth in Executive Order 12958 dated 17 April 1995, that applies to information for which the unauthorized disclosure could reasonably be expected to cause damage to the national

(U) Section 1. GENERAL INFORMATION

security and for which the release of which could reasonably be expected to damage relations between the United States and a foreign government, reveal a confidential source, or seriously undermine diplomatic activities that are reasonably expected to be ongoing for a period greater than 10 years.

zz. (U) X-8: A category of exemption from the 10 year mandatory declassification rule, as set forth in Executive Order 12958 dated 17 April 1995, that applies to information for which the unauthorized disclosure could reasonably be expected to cause damage to the national security and for which the release of which could reasonably be expected to violate a statute, treaty, or international agreement.

7. (U//FOUO) FOREIGN MILITARY SALES: Not applicable. TS II and TROJAN SPIRIT LITE are limited projection items, and an insufficient quantity will be available for viable FM actions. Technology developed under this program requires both HQDA and NSA approval prior to release.

8. (U) FOREIGN DISCLOSURE: Any disclosure to foreign officials of information classified or designated as For Official Use Only by this guide shall be in accordance with the procedures set forth in AR 380-10, Disclosure of Information and Visits and Accreditation of Foreign Nationals and NDP-1. If a country with which the Department of Defense has entered into a reciprocal procurement memorandum of understanding or offset arrangement expresses an interest in this effort, a foreign disclosure review should be conducted prior to issuance of a solicitation. If it is known that foreign participation cannot be permitted because of the sensitivity of the effort, this fact should be stated.

9. (U) DESCRIPTION: Project TROJAN SPIRIT II and TROJAN SPIRIT LITE is the name of a project, which provides a collection of electronic equipment. This collection of equipment can be used to provide contingency forces with an operational readiness capability by providing an intelligence processing and dissemination system consisting of secure voice, secure data, secure facsimile and secondary imagery worldwide via an organic long haul satellite communications network split-based, multi-echelon force projection operations.

Project TROJAN SPIRIT consists of five major subsystems: power generation subsystem; communications subsystem (C, Ku, X Bands; HG/MSE/CTT (receive only) UHF SatCom; prime mission movers with shelters; and communications interface equipment).

(U) Section 1. GENERAL INFORMATION

10. (U) REFERENCES:

- a. (U) Executive Order 12958, dated 25 March 2003. The current executive order which prescribes a uniform system for classifying, safeguarding, and declassifying national security information.
- b. (U) DoD Directive 3224.3, "Physical Security Equipment (PSE): Assignment of Responsibility for Research, Development, Testing, Evaluation, Production, Procurement, Deployment, and Support." 17 Feb 89
- c. (U) DoD 5200.1-R, "Information Security Program Regulation" Jan 97
- d. (U) AR 380-67, "The Department of the Army Personnel Security Program." 9 Sep 88
- e. (U) DoD Directive 5205.2, "Operations Security Program." 29 Nov 99
- f. (U) DoD Directive 5210.50, "Unauthorized Disclosure of Classified Information to the Public." 22 Jul 05
- g. (U) DoD Directive 5210.74, "Security of DoD Contractor Telecommunications." 26 Jun 85
- h. (U) NSA/CSS Policy Manual 3-16, "Control of Communications Security (COMSEC) Material." 5 Aug 2005
- i. (U) DoD Directive 5220.28, "Application of Special Eligibility and Clearance Requirements in the SIOP-ESI Program for Contractor Employees." 8 Mar 78
- j. (U) DoD Directive 5230.1 1, "Disclosure of Classified Military Information to Foreign Governments and International Organizations." 16 Jun 92
- k. (U) DoD Directive 5230.25, "Withholding of Unclassified Technical Data from Public Disclosure." 6 Nov 84
- l. (U) National Disclosure Policy, (NDP-1).

(U) Section 1. GENERAL INFORMATION

- m. (U) Director of Central Intelligence Directive (DCID) 5/6, "Intelligence Disclosure Policy." 30 Jun 98
- n. (U) Signals Intelligence Security Regulations (SISR), February 1999.
- o. (U/FOUO) United States Signals Intelligence Directive (USSID) 3, 25 September 1998, " Cryptologic Security Procedures (FOUO).
- p. (U) AR 360-1, "The Army Public Affairs Program". 15 Sep 2000
- q. (U) AR 380-5, "Department of the Army Information Security Program." 29 Sep 2000
- r. (U) AR 380-10, "Foreign Disclosure and Contacts with Foreign Representatives." 22 Jun 05
- s. (U) AR 381-11, "Intelligence
- t. (U) AR 25-2, "Information Assurance." 14 Nov 03
- u. (U) "US Army Communications-Electronics Command SCG Prophet (AN/MLQ-40(V)3)" 3 June 2004.

(U) Section 2. OVERALL EFFORT

(U) Broad, generalized information regarding abstract theoretical performance based on mathematical analysis, when not associated with a specific military application or system operation is unclassified. However, even if the material is unclassified, distribution may be limited or controlled if it is considered critical technology. When such information confirms the specific direction in which the TROJAN Program is proceeding, a minimum of CONFIDENTIAL is required.

	<u>CLASS</u>	<u>REASON</u>	<u>DECLAS</u>	<u>REMARKS</u>
1. (U) Statements regarding the TS II or TROJAN SPIRIT LITE system and its use by the US Army to interconnect or interface with specific databases:				
a. (U) The fact of TS II or TROJAN SPIRIT LITE being an Army system as detailed in the unclassified description.	U			
b. (U) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with specific databases where the unit's use of those databases is considered to be UNCLASSIFIED.	U//FOUO			

(U) Section 2. OVERALL EFFORT

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|--|-------|------------|----------|---------|
| c. (U) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with specific databases where the unit's use of those databases is considered to be CONFIDENTIAL. | C | 1.4a, 1.4g | 20311031 | |
| d. (U) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with specific databases where the unit's use of those databases is considered to be SECRET. | S | 1.4a, 1.4g | 20311031 | |
| e. (U) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with specific databases where the unit's use of those databases is considered to be CONFIDENTIAL//COMINT. | C//SI | 1.4a, 1.4g | 20311031 | Note 13 |

(U) Section 2. OVERALL EFFORT

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|--|-------|------------|----------|---------|
| f. (U) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with specific databases where the unit's use of those databases is considered to be SECRET//COMINT. | S//SI | 1.4a, 1.4g | 20311031 | Note 13 |
|--|-------|------------|----------|---------|

2. (U//FOUO) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with SIGINT collection or processing systems, no further details.	U//FOUO
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3. (U//FOUO) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with a specific SIGINT collection or processing system where the existence of that system is UNCLASSIFIED.	U//FOUO
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(U) Section 2. OVERALL EFFORT

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|---|--------------|------------------------|----------|---|
| 4. (U//FOUO) The fact of a TS II or TROJAN SPIRIT LITE system being able to interconnect/interface with a specific SIGINT collection or processing system where the existence of that system is classified CONFIDENTIAL or higher. | C-TS//SI | 1.4a,
1.4c,
1.4g | 20311031 | Note 13 |
| 5. (U//FOUO) The fact of a specific TS II or TROJAN SPIRIT LITE system being co-located with a specific SIGINT collection or processing system whereby the location of that system is revealed. | U-TS//SI | 1.4a, 1.4c | 20311031 | (U) Same level of classification as of the SIGINT unit mission. |
| 6. (U) Statements revealing details of progress or shortfalls in specific areas of hardware or software, technical and/or engineering design when vulnerabilities or susceptibilities are revealed in association with mission usage or when included in sufficient detail to reveal the direction in which TS II or TROJAN SPIRIT LITE system development is proceeding. | C
Minimum | 1.4a,
1.4e,
1.4g | 20311031 | Note 5 |

(U) Section 2. OVERALL EFFORT

7. (U) Statements revealing details of progress or shortfalls in specific areas of hardware or software, technical and/or engineering design when they do not reveal vulnerabilities or susceptibilities in association with mission usage or when they do not include sufficient detail to reveal the direction in which TS II or TROJAN SPIRIT LITE system development is proceeding. U//FOUO

8. (U) Statements regarding the goal, mission and/or purpose of TS II or TROJAN SPIRIT LITE systems which do not exceed the unclassified system description specified in this guide. U

9. (U) Statements regarding the goal, mission and/or purpose of TS II or TROJAN SPIRIT LITE systems which exceed the unclassified system description specified in this guide, but which are not classified in nature. U//FOUO

(U) Section 2. OVERALL EFFORT

10. (U) System Identification:

- | | | |
|---|---|--|
| a. (U) Project Name – TROJAN SPIRIT II or TROJAN SPIRIT LITE. | U | (U) Either alone or with other unclassified project definitions. |
| b. (U) Federal Stock Number. | U | |
| c. (U) Model Designation. | U | |
| d. (U) Nomenclature. | U | |

11. (U) System End Item:

- | | | |
|---|---|--------|
| a. (U) External View where view does not include any COMSEC items or materials. | U | Note 2 |
|---|---|--------|

(U) Section 2. OVERALL EFFORT

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|---|---------|--------|
| b. (U) External View where view does include COMSEC items or materials. | U//FOUO | Note 2 |
| c. (U) Internal View where view does not include any COMSEC items or materials. | U//FOUO | Note 2 |
| d. (U) Internal View where view does include COMSEC items or materials. | U//FOUO | Note 2 |
| e. (U) Degree of Protection for Hardware: | | |
| 1. (U) Packaging. | U | Note 3 |
| 2. (U) Storage. | U | Note 3 |

(U) Section 2. OVERALL EFFORT

3. (U) In Transit.	U	Note 3
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4. (U) Transportability.	U	Note 3
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f. (U) Design, Photographs and Reports:

- | | | |
|---|---|--|
| 1. (U) Design, Photographs and Reports where the view or description does not contain classified information or include any of the following: | U | |
|---|---|--|

COMSEC items or COMSEC materials; integrated software design system where loaded with database interfaces; integrated system hardware design, to include network components; test data that reveals vulnerabilities or susceptibilities in association with mission usage; reports which include sufficient detail to reveal the direction in which TS II or TROJAN SPIRIT LITE system development is proceeding.

(U) Section 2. OVERALL EFFORT

2. (U) Unclassified Design, Photographs and Reports where the view or description includes COMSEC items or COMSEC materials.	U//FOUO				
3. (U) Design, Photographs and Reports where the view or description includes integrated software design system loaded with database interfaces.	S	1.4a, 1.4e	20311031	(U) Notes 2,4,6. Database utilized for SIGINT collection activity.	
4. (U) Design, Photographs and Reports where the view or description includes test data that reveals vulnerabilities or susceptibilities in association with mission usage.	C	1.4a, 1.4g	20311031		Notes 2,5,6
5. (U) Design, Photographs and Reports which include sufficient detail to reveal the direction in which TS II or TROJAN SPIRIT LITE system development is proceeding.	C	1.4a, 1.4e, 1.4g	20311031		Notes 2,5,6

(U) Section 2. OVERALL EFFORT

g. (U) Military Application:

1. (U) Description of the military application of the TROJAN SPIRIT II or TROJAN SPIRIT LITE which does not exceed the unclassified system description as stated in this guide.

U

2. (U) Description of the military application of the TROJAN SPIRIT II or TROJAN SPIRIT LITE which exceeds the unclassified system description as stated in this guide but which does not disclose the specific mission capabilities of the systems.

U//FOUO

3. (U) Description of the military application of the TROJAN SPIRIT II or TROJAN SPIRIT LITE which contain details regarding mission, targets, capabilities and/or shortcomings.

C 1.4a, 20311031
Minimum 1.4c, 1.4g

Note 12

(U) Section 2. OVERALL EFFORT

4. (U) Description of the military application of the TROJAN SPIRIT II or TROJAN SPIRIT LITE which contains details regarding the systems ability to interface with databases where the existence of those databases is UNCLASSIFIED.

U//FOUO

5. (U) Description of the military application of the TROJAN SPIRIT II or TROJAN SPIRIT LITE which contains details regarding the systems ability to interface with databases where the existence of those databases is classified.

C 1.4a, 20311031
Minimum 1.4c, 1.4g

h. (U) Test Data:

1. (U) Test data for the TROJAN SPIRIT II or TROJAN SPIRIT LITE systems where the test data does not reveal vulnerabilities or susceptibilities.

U//FOUO

(U) Section 2. OVERALL EFFORT

- 2. (U) Test data for the TROJAN SPIRIT II or TROJAN SPIRIT LITE systems with test reports that do not include sufficient detail to reveal the direction in which TS II or TROJAN SPIRIT LITE system development is proceeding. U//FOUO

- i. (U) System Specifications. U//FOUO

- j. (U) Training, Operator and Maintenance Manuals. U//FOUO

- k. (U) Application Software:
 - 1. (U) Application Software that is available via COTS. U

 - 2. (U) Application Software that is not available via COTS. U//FOUO

(U) Section 2. OVERALL EFFORT**1. (U) Operational Characteristics.**

1. (U) Frequency employment by system communications equipment.

U

2. (U) Character of system emissions.

U-C

1.4a,
1.4e, 1.4g

20311031

(U) TEMPEST Information is Confidential.

12. (U) Association of civilian U.S. contractors with TROJAN SPIRIT II and/or TROJAN SPIRIT LITE.

U

13. (U) Association of TROJAN SPIRIT II and/or TROJAN SPIRIT LITE with cryptologic agencies:

a. (U) Association of TROJAN SPIRIT II and/or TROJAN SPIRIT LITE with US cryptologic agencies and Service Cryptologic Elements, such as the National Security Agency or any SCE units.

U

(U) Section 2. OVERALL EFFORT

- | | | | | |
|--|--------------------|---------------------|----------|--------|
| b. (U//FOUO) Association of TROJAN SPIRIT II and/or TROJAN SPIRIT LITE with non-US cryptologic agencies and/or non-US military Service Cryptologic Elements. | U//FOUO-
TS//SI | 1.4a,
1.4b, 1.4d | 20311031 | Note 1 |
|--|--------------------|---------------------|----------|--------|
-
- | | | | | |
|--|--------------|------------|----------|---|
| 14. (U//FOUO) Association of TROJAN SPIRIT II and/or TROJAN SPIRIT LITE with the SIGINT Activity Designators (SIGADs) for any individual United States SIGINT organizations or SIGINT-related organizations. | C
Minimum | 1.4a, 1.4c | 20311031 | (U//FOUO) IAW USSID 505 and NSA/CSSM 123-2. |
|--|--------------|------------|----------|---|
-
- | | | | | |
|--|---|--|--|--|
| 15. (U) Location of TS II or TROJAN SPIRIT LITE systems: | | | | |
| a. (U) When the system is located in garrison and the presence of US Intelligence at that location is wholly UNCLASSIFIED. | U | | | |

(U) Section 2. OVERALL EFFORT

b. (U) When the system is located in garrison and the presence of US Intelligence at that location is classified.

C-
TS//SI-TK

1.4a, 1.4c 20311031

(U) Depends on the classification of the presence of US Intelligence at that location.

c. (U) When the system is deployed and the presence of US Intelligence at that location is wholly UNCLASSIFIED.

U//FOUO

(U) OPSEC sensitive.

d. (U) When the system is deployed and the presence of US Intelligence at that location is classified.

C-
TS//SI-TK

1.4a, 1.4c 20311031

(U) Depends on the classification of the presence of US Intelligence at that location.

16. (U) Correlation of TROJAN System (a.k.a. Site) Identification Codes (SICs) with any TS II or TROJAN SPIRIT LITE system:

a. (U) SIC when combined with the location/unit and equipment type/function (ie TS II, TROJAN SPIRIT LITE v2, etc) when the presence of US Intelligence at that location is UNCLASSIFIED.

U//FOUO

(U) Section 2. OVERALL EFFORT

b. (U) SIC when combined with the location/unit and equipment type/function (ie TS II, TROJAN SPIRIT LITE v2, etc) when the presence of US Intelligence at that location is classified.

C-
TS//SI-TK

1.4a,
1.4b,
1.4c,
1.4d,
1.4g

20311031

(U) Depends on the classification of the presence of US Intelligence at that location.

c. (U) SIC when combined with TS II or TROJAN SPIRIT LITE equipment type/function, provided that there is no indication whatsoever of the equipment location.

U//FOUO

d. (U) SIC when combined with location and unit when the presence of US Intelligence at that location is UNCLASSIFIED.

U//FOUO

e. (U) SIC when combined with location and unit when the presence of US Intelligence at that location is classified.

C-
TS//SI-TK

1.4a,
1.4b,
1.4c,
1.4d, 1.4g

20311031

(U) If the SIC is identified as correlating to TROJAN, it indicates the presence of US Intelligence. Level of classification depends on the classification of the presence of US Intelligence at that location.

(U) Section 3. PERFORMANCE AND CAPABILITIES

CLASS	REASON	DECLAS	REMARKS
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<u>CLASS</u>	<u>REASON</u>	<u>DECLAS</u>	<u>REMARKS</u>
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1. (U) Performance:

a. (U) Broad, generalized information regarding performance when not associated with military application.

U

b. (U) Broad, generalized information regarding performance when mission and targets are revealed or inferred.

U-S

1.4a,
1.4c,
1.4g

20311031

(U) Note 13. Needs to be classified in accordance with target or mission classification.

2. (U) Availability.

U

3. (U) System Capacity.

U

4. (U) Signature Characteristics.

C

1.4a, 1.4e

20311031

(U) Composite of equipment operating parameters (e.g. frequency, bandwidth, modulation, etc.) in sufficient detail to identify or reveal its presence

5. (U) Replacement factor.

U

(U) Section 3. PERFORMANCE AND CAPABILITIES

	CLASS	REASON	DECLAS	REMARKS
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6. (U) Capabilities:

a. (U) Primary mission processing capability of TROJAN SPIRIT II or TROJAN SPIRIT LITE system.	U-S//SI	1.4a, 1.4c, 1.4g	20311031	(U) Note 13. Needs to be classified in accordance with mission classification.
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b. (U) Frequency Employment

1. (U) Frequency employment that provides specific actual mission operating frequencies.				(U) U//FOUO for systems communications. CONFIDENTIAL OCONUS and can be declassified by theater commander.
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a. (U) When in CONUS Garrison environment.	U//FOUO	1.4a, 1.4c, 1.4e, 1.4g	1 year after circuit termination	
b. (U) When in theatre based on mission classification	C-S	1.4a, 1.4c, 1.4e, 1.4g	1 year after circuit termination	

2. (U) The fact that TROJAN SPIRIT II and/or TROJAN SPIRIT LITE systems use the X, C and Ku Band frequency ranges, no further details.	U			
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(U) Section 3. PERFORMANCE AND CAPABILITIES

	CLASS	REASON	DECLAS	REMARKS
c. (U) Frequency Coverage.	U			(U) See section 6. DEFINITIONS.
d. (U) Threat:				
e. (U) Reaction Time.	U//FOUO- C	1.4a, 1.4c	20311031	Note 8
f. (U) Receiving Bandwidth.	U			
g. (U) Parameter Analysis Range.	U			
h. (U) Power requirement.	U			
i. (U) Modulation Type.	U			
j. (U) Signal-to-noise Ratio.	U			
k. (U) Overall System Capability.	U-S//SI	1.4a, 1.4c, 1.4g	20311031	Notes 8, 13

(U) Section 4. SPECIFICATIONS

CLASS	REASON	DECLAS	REMARKS
<u>CLASS</u>	<u>REASON</u>	<u>DECLAS</u>	<u>REMARKS</u>
C	1.4a, 1.4g	20311031	Notes 7, 8
S	1.4a, 1.4g	20311031	Note 11
TS	1.4a, 1.4g	20311031	
C//SI	1.4a, 1.4c, 1.4g	20311031	Note 13

(U) Section 4. SPECIFICATIONS

CLASS	REASON	DECLAS	REMARKS
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e. (U) When those performance specifications or capabilities are considered to be SECRET//COMINT.

S//SI	1.4a, 1.4c, 1.4g	20311031
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Note 13

f. (U) When those performance specifications or capabilities are considered to be TOP SECRET//COMINT.

TS//SI	1.4a, 1.4c, 1.4g	20311031
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Note 13

2. (U) Production hardware:

a. (U) Standards for quality of material and parts.

U

b. (U) Methods or modes of construction, manufacture or assembly.

U

c. (U) Specific dimensions; size form, shape weight.

U

(U) Section 4. SPECIFICATIONS

CLASS	REASON	DECLAS	REMARKS
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3. (U) Complete design specification which displays the integrated system as a whole.

U//FOUO

4. (U) Partial design specification for components/subsystems.

U//FOUO

5. (U) TROJAN SPIRIT and TROJAN SPIRIT LITE system program diagrams and descriptions (non-technical type specifications) which show specific interrelationships and communications schemes and requirements:

a. (U) Where the unit's ability to use the TROJAN SPIRIT or TROJAN SPIRIT LITE to connect to databases is UNCLASSIFIED, such as during contingency planning or garrison operations.

U//FOUO

(U) Diagrams and descriptions may not reveal any other classified data.

(U) Section 4. SPECIFICATIONS

CLASS	REASON	DECLAS	REMARKS
b. (U) Where the unit's ability to use the TROJAN SPIRIT or TROJAN SPIRIT LITE to connect to databases is CONFIDENTIAL, such as during deployment planning.	C	1.4a, 1.4b, 1.4d, 1.4g	20311031
c. (U) Where the unit's ability to use the TROJAN SPIRIT or TROJAN SPIRIT LITE to connect to databases is SECRET, such as during national level operations.	S	1.4a, 1.4g	20311031

(U) Section 5. CRITICAL ELEMENTS

CLASS	REASON	DECLAS	REMARKS
CLASS	REASON	DECLASS	REMARKS
1. (U) Software data base interfaces and hardware connectivity:			
a. (U) Where the information in that Software database interface and/or hardware is UNCLASSIFIED.	U		
b. (U) Where the information in that Software database interface and/or hardware is CONFIDENTIAL.	C	1.4a 20311031	
c. (U) Where the information in that Software database interface and/or hardware is SECRET.	S	1.4a 20311031	
d. (U) Where the information in that Software database interface and/or hardware is CONFIDENTIAL//COMINT.	C//SI	1.4a, 1.4c 20311031	Note 13

(U) Section 5. CRITICAL ELEMENTS				
	CLASS	REASON	DECLAS	REMARKS
e. (U) Where the information in that Software database interface and/or hardware is SECRET//COMINT.	S//SI	1.4a, 1.4c	20311031	Note 13
f. (U) Where the information in that Software database interface and/or hardware is TOP SECRET//COMINT.	TS//SI	1.4a, 1.4c	20311031	Note 13

(U) Section 6. VULNERABILITIES AND WEAKNESSES

	CLASS	REASON	DECLAS	REMARKS
	CLASS	REASON	DECLASS	REMARKS
1. (U) General statements of susceptibility or vulnerability when associated with military application.	C	1.4a, 1.4g	20311031	Note 5
2. (U) General statements of susceptibility or vulnerability which reveal the direction which development is proceeding.	C	1.4a, 1.4e, 1.4g	20311031	Note 5
3. (U) Vulnerability to Electronic Counter Measure (ECM).	C	1.4a, 1.4g	20311031	Note 5
4. (U) Vulnerability to Electronic Counter Countermeasure (ECCM).	C	1.4a, 1.4g	20311031	Note 5
5. (U) Vulnerability to attack.	C	1.4a, 1.4g	20311031	Note 5
6. (U) TEMPEST.	C	1.4a, 1.4g	20311031	(U) The TEMPEST Threat Level and the TEMPEST Zone in which a TS II or TROJAN SPIRIT LITE system is operating is classified as CONFIDENTIAL minimum.

(U) Section 7. ADMINISTRATIVE DATA

CLASS	REASON	DECLAS	REMARKS
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CLASS	REASON	DECLASS	REMARKS
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1. (U) Research and Development Funds:

a. (U) Budget Year(s), Execution Year, and Prior Year(s).

U

b. (U) Future Year(s).

U//FOUO

Note 9

2. (U) Procurement/Production Program:

a. (U) Quantities:

(1) (U) Assets (Worldwide) Army Acquisition Objective (AAO).

U

Note 10

(2) (U) Assets or Programmed Quantities by Theater or Command.

U

(U) Section 7. ADMINISTRATIVE DATA

	CLASS	REASON	DECLAS		REMARKS
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(3) (U) Quantities Funded in Budget Year(s), Execution Year, and Prior Year(s).

U

(4) (U) Quantities Funded in Future Year(s).

U

Note 9

b. (U) Funds.

(1) (U) Budget Year(s), Execution Year, and Prior Year(s).

U-C

1.4a

20311031

Note 9

(2) (U) Future year(s).

U-C

1.4a

20311031

Note 9

(3) (U) Total Procurement Dollars.

U

(4) (U) Unit and Design to Costs.

U

(U) Section 7. ADMINISTRATIVE DATA
CLASS REASON DECLAS

REMARKS

3. (U) Schedule.

a. (U) Initial Operational Capability (IOC) date.

U

b. (U) Fielding Schedule.

U

3. (U) Foreign Military Sales (FMS) Issues:

a. (U) Highest level of classified information that could be disclosed by sale of end item.

S

1.4a,
1.4b, 1.4d

20311031

b. (U) Highest level of classified information that must be disclosed:

(1) (U) To enable production of the end item.

U

(U) Critical Technology as designated in the Military Critical Technologies List.

(U) Section 7. ADMINISTRATIVE DATA

	CLASS	REASON	DECLAS	REMARKS
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			20311031	
(2) (U) By operation of the end item.	S	1.4a, 1.4b, 1.4c, 1.4d		
			20311031	
(3) (U) In the maintenance of the end item.	S	1.4a, 1.4b, 1.4d		
(4) (U) In training to use the end item.	S	1.4a, 1.4b, 1.4c, 1.4d	20311031	

c. (U) Highest level of information that could be revealed by:

			20311031	
(1) (U) Reverse engineering the end item.	S	1.4a, 1.4b, 1.4c, 1.4d, 1.4e, 1.4g		
			20311031	
(2) (U) Testing the end item.	S	1.4a, 1.4b, 1.4d		

(U) Section 8. HARDWARE/SOFTWARE

CLASS	REASON	DECLAS	REMARKS
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CLASS	REASON	DECLAS	REMARKS
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- | | | | |
|---|---------|------|--|
| 1. (U) Identification of specific commercial hardware used in TROJAN SPIRIT. | U//FOUO | | (U) Specific includes but is not limited to make or model. |
| 2. (U) Communications subsystem: | | | |
| a. (U) COMSEC Keymat. | S-TS | 1.4a | 20311031 (U) IAW NSTISSI 4002 |
| b. (U) Standard Military communications or commercial communication systems. | U | | (U) IAW NSTISSI 4002 |
| c. (U) COMSEC hardware. | U | | (U) CCI, IAW NSTISSI 4002 |
| d. (U) Details of COMSEC hardware configuration when used in TS II or TROJAN SPIRIT LITE systems. | U//FOUO | | |

(U) Section 8. HARDWARE/SOFTWARE
CLASS REASON DECLAS

REMARKS

j. (U) Details of TS II or TROJAN SPIRIT LITE communications system or sub-component configurations.	U//FOUO				
3. (U) Management and Control Subsystem:					
a. (U) Equipment.	U				
b. (U) Control Procedures.	U-C-S-S//SI	1.4a, 1.4c	20311031		Notes 6,7
4. (U) Processing and Reporting Subsystem:					
a. (U) Equipment	U				
b. (U) Analysis Procedures.	U-C-S-S//SI	1.4a, 1.4c	20311031		Notes 6, 7, 11

(U) Section 8. HARDWARE/SOFTWARE

CLASS	REASON	DECLAS	REMARKS
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c. (U) Tables containing mission data.	S	1.4a	20311031
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5. (U) Application Software:

a. (U) Windows XP Operating System.	U		(U) Commercial Off the Shelf Operating System (OS).
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b. (U) TROJAN Baseline Software (TBS) for Windows XP application software.	U//FOUO		(U) Loaded on TS II P3I and TROJAN LITE (v) 2 and (v) 3 workstations.
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6. (U) Network Security:

a. (U) A single IP address by itself with no association to a network, machine name, unit or organization.	U		
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b. (U) A single IP address by itself associated with a network, machine name, unit or organization:			
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(U) Section 8. HARDWARE/SOFTWARE

CLASS	REASON	DECLAS	REMARKS
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(1) (U) where the association of that location or unit/organization with TROJAN is UNCLASSIFIED.

U//FOUO

(2) (U) where the association of that location or unit/organization with TROJAN is classified.

C-TS//SI-
TK

1.4a,
1.4b,
1.4c,
1.4d,
1.4e, 1.4g

20311031

(U) Note: depends on the classification of that site's association with TROJAN.

c. (U) Multiple IP addresses when associated with the TROJAN Network, machine names, units or organizations:

(U) Note: multiple is defined as more than one.

(1) (U) where the association of that location with TROJAN is UNCLASSIFIED.

C

1.4a,
1.4b,
1.4c,
1.4d,
1.4e, 1.4g

20311031

(U) Note: such data makes the system vulnerable to network mapping and attack.

(2) (U) where the association of that location with TROJAN is classified.

C-
TS//SI-TK

1.4a,
1.4b,
1.4c,
1.4d,
1.4e, 1.4g

20311031

(U) Note: depends on the classification of that site's association with TROJAN.

(U) Section 8. HARDWARE/SOFTWARE
CLASS REASON DECLASS

REMARKS

8. (U) The ability of a specific intelligence system to connect to a TS II or TROJAN LITE system in order to access various Department of Defense (DoD) networks:

a. (U) When the existence of that intelligence system is UNCLASSIFIED and its ability to access DoD networks is also UNCLASSIFIED.

U//FOUO

b. (U) When the existence of that intelligence system is classified and/or its ability to access DoD networks is classified.

C- 1.4a, 20311031
 TS//SI-TK 1.4c, 1.4g

(U) Dependent upon the classification of the connected system and/or the classification of its ability to access DoD networks.

(U) Section 9. NOTES

1. (U//FOUO) Because TROJAN SPIRIT and TROJAN SPIRIT LITE systems are considered communications systems, any association of these systems with a US SIGINT partner may need protection. Per NSA/CSSM 123-2, details of the SIGINT relationships between NSA and its Second or Third Party (foreign) partners is classified SECRET//COMINT, minimum. This data may only be considered to be UNCLASSIFIED but FOR OFFICIAL USE ONLY if the Director of the National Security, or his designated representative, explicitly states such.
2. (U) Photographs, including unclassified external views, and other unclassified information concerning COMSEC are FOR OFFICIAL USE ONLY and will not be revealed to any greater extent than operationally necessary.
3. (U) When accompanied by COMSEC equipment, movement will be accomplished in accordance with the provisions of applicable directives pertaining to the security of COMSEC.
4. (U) Integrated software design system as a whole is SECRET when loaded with database interfaces, otherwise UNCLASSIFIED.
5. (U) Test data will only be classified CONFIDENTIAL when vulnerabilities or susceptibilities are revealed in association with mission usage or when included in sufficient detail to reveal the direction in which system development is proceeding.
6. (U) Display or output product will be classified in accordance with guidance applicable to that mission and/or target(s) to which product applies. See INSCOM Pam 380-2.
7. (U//FOUO) Classified CONFIDENTIAL only when associated with mission usage. When specific targets are revealed may require higher classification and/or Special Intelligence protection.
8. (U) Normal processing time is UNCLASSIFIED. Ability to access data/information that previously was available by batch processing or courier is CONFIDENTIAL.
9. (U//FOUO) Funding information is UNCLASSIFIED if it concerns TIARA funds. Any funds coming from CCP, MIP or other classified funding lines shall be classified CONFIDENTIAL minimum. All future funding information is procurement sensitive information and must be protected from release to contractors. This information may be UNCLASSIFIED but FOR OFFICIAL USE ONLY if it concerns TIARA funds. If the future funding information concerns CCP, MIP or other classified funding lines, it shall be classified CONFIDENTIAL minimum.

(U) Section 9. NOTES

10. (U) Individual and incremental acquisition approval quantities are UNCLASSIFIED, handle as procurement sensitive.
11. (U//FOUO) Designation of any specifically identified foreign threat emitter targeted by TROJAN SPIRIT is classified SECRET. General categories of threat emitters (i.e., VHF/FM voice) are sometimes UNCLASSIFIED when used alone, however, descriptions which would reveal overall system operation capabilities shall be CONFIDENTIAL.
12. (U) System requirements documents will be classified in accordance with Section 3 and 4, because they contain details regarding mission, targets, capabilities, and/or shortcomings.
13. (U) Classifications reflected in this classification guide that require SCI handling, such as items designated to be classified SI or TK, come exclusively from derivative classification. No original classification decisions in this Security Classification Guide exceed the SECRET collateral level. All Special Intelligence (SI) classifications will be derived from and classification determined from NSA/CSSM 1-52, dated 23 Nov 2004 and the Signals Intelligence Security Regulations (SISR), dated 26 May 1999.